



IBM Software Group

## **IBM® WebSphere® Everyplace® Deployment V6**

### **Upgrading the Server Configuration to Microsoft® Active Directory 2003**



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## Configuration Wizard Overview

- **Everyplace Deployment Configuration Wizard**
  - ▶ Allows install to default many options
  - ▶ Allows additional configuration needed for production
  - ▶ Hides the underlying complexities
  - ▶ Simplifies choices
- **Available options include:**
  - ▶ Upgrade to Active Directory 2003
  - ▶ Update WSED Administrator Password
  - ▶ Update DB2 Administrator Password



## Using the Configuration Wizard

- Configuration Wizard is accessible from Start Menu  
... Programs ... IBM WebSphere ... WebSphere  
Everyplace Deployment
  
- Select the configuration to change
  - ▶ Upgrade to Microsoft Active Directory 2003
  - ▶ Update WSED Administrator Password
  - ▶ Update DB2 Administrator Password



## User Registry Options

- Initial Install
  - ▶ Configured to use DB2® UDB for user registry
  - ▶ Allows single user for all components
  - ▶ Creates default set of users/groups
  - ▶ Intended for development environments (small number of users)
- Upgrading to Active Directory 2003
  - ▶ Intended for production environment
  - ▶ Allows large number of users
  - ▶ Users/groups must be created prior to upgrading

## General Active Directory Requirements

- Install on different machine than Everyplace Deployment
- Everyplace Deployment does not write to directory
  - ▶ Must create required users/groups before upgrade
- Do not enable LDAP server signing security setting
- Secure Sockets Layer (SSL) must not be enabled until after configuration upgrade
  - ▶ Everyplace Deployment configuration wizard does not support SSL

•The following info comes from the following Microsoft KB:  
<http://support.microsoft.com/default.aspx?scid=kb;en-us;823659>

•**LDAP server signing requirements** security setting determines whether the Lightweight Directory Access Protocol (LDAP) server requires LDAP clients to negotiate data signing. The possible values for this policy setting are:

- None: Data signing is not required to bind with the server. If the client requests data signing, the server supports it
- Require signing: The LDAP data-signing option must be negotiated unless Transport Layer Security/Secure Socket Layer (TLS/SSL) is being used
- not defined: This setting is not enabled or disabled.

•If set to "Require signing", the WSED installer will not be able to bind with the Active Directory Server to validate the configuration information.

•As a best practice, you should always verify that AD2003 can be accessed with a non-Microsoft LDAP browser before starting the

•reconfiguration. If it cannot, then the following registry key may be set incorrectly:

•LDAPServerIntegrity

•You may see the following: Ldap\_simple\_bind\_s() failed: Strong Authentication Required

•LDAPServerIntegrity should be set to 1

## Required Users and Groups

- Create users/groups using Active Directory administration tools
- Server administrator, such as edsadmin
  - ▶ Can be any user in the users container
  - ▶ Also serves as DB2e and DMS administrator
- Server admin group, such as edsadmins
  - ▶ Server administrator must belong to this group
- DB2e synchronization group, must be edssyncusers
  - ▶ All DB2e synch users must belong to this group



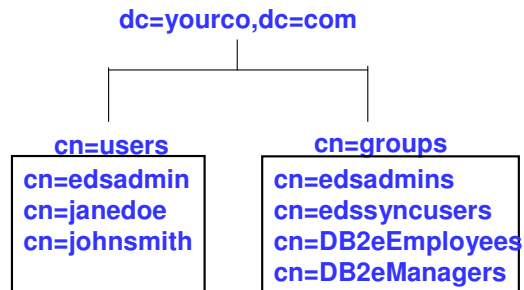
## Required Users and Groups - Restrictions

- Restrictions
  - ▶ Admin's distinguished name - no space or /
  - ▶ Users' distinguished names - no # , + " \ / < > ; ( )  
\*
  - ▶ DB2e users cannot begin with numeric
  - ▶ Containers can only be single-byte characters



## Directory Organization Requirements

- Configuration Wizard will need
  - ▶ root suffix
  - ▶ Top level user container under suffix
  - ▶ Top level group container under suffix





## Existing User Data Considerations

- Before the upgrade
  - ▶ Users/groups defined via the Everyplace Deployment User Management console need to be created in Active Directory 2003
  - ▶ Ensure each enrolled device owner exists in Active Directory 2003
- After the Upgrade
  - ▶ User/group data is not migrated from the DB2 local user registry to Active Directory 2003



## Existing User Data Considerations continued

- The DB2 Everyplace administration console (Mobile Device Administration Console) will
  - ▶ Reset synch data based on the new Active Directory 2003 user registry
  - ▶ Prompt to delete old users/groups that existed in the DB2 local user registry
  - ▶ Existing subscriptions/subscription set will still exist
  - ▶ You must re-associate groups with subscription sets



## Upgrading to Active Directory 2003

- Information needed for Configuration Wizard
  - ▶ Fully-qualified hostname Active Directory 2003
  - ▶ Active Directory Port number (usually 389)
  - ▶ Root suffix
  - ▶ Everyplace Deployment administrative ID and password
  - ▶ Everyplace Deployment administrative group name
  - ▶ Name of the users & groups container
  - ▶ Ensure prefixes (cn=, uid=, ou=) are lower case

•The WebSphere Everyplace Deployment InfoCenter contains a checklist for Active Directory 2003 configuration in the Section entitled Updating the Configuration.

## Post Upgrade Considerations

- Can not go back to local DB2 user registry
- Can not reconfigure with another Active Directory
- The User Management console is disabled after the upgrade is complete.
- You must use Active Directory administrative tools for user management after the upgrade.



## Verifying the Configuration Change

- Run First Steps from Start Menu ...  
Programs ... IBM WebSphere ...  
WebSphere Everyplace Deployment
- Select Verify Installation

## Troubleshooting the Configuration Change

- Verify that the Everyplace Deployment servers are stopped before beginning the upgrade.
- Check eds\_config\_trace.log for errors
- Use a non Microsoft LDAP browser to validate access to Active Directory before beginning the upgrade.
- Use the Checklist for Active Directory in InfoCenter

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